

# Branch

## Tips

- Branch : ??? commit ??????????????
- HEAD: ?????
- main (master): ??????????????
- branch-name ?????????? test/feature1, dev/feature1
- ??? branch (HEAD) ??? : `git branch` ? `git log -1`
- ?? branch ?????????? commit ?????

## Git branch

# List all the branches of local repo.

```
git branch
```

# List the branches of remote repo.

```
git branch -r
```

# List all branches of local and remote repos.

```
git branch -a
```

# Create new branch

```
git branch <branch-name>
```

```
git checkout <branch-name>
```

# Alternatively, using the following one-liner command

```
# <origin-name> [current] HEAD [current], [current] origin/main
```

```
git checkout -b <branch-name> <origin-name>
```

# Remove a branch

```
# NOTE: [current] branch [current], [current]
```

```
git branch -d <branch-name>
```

????

```
# Clone []
git clone http://your.company.com/yourname/my_proj.git
cd my_proj

# [] origin/main [] test/util-cmd[] (checkout)[]
git checkout -b test/util-cmd origin/main
git branch -a

# Change your codes

# []
git add .
git commit -m "Added a new branch test/util-cmd"

# []
git push --set-upstream origin test/util-cmd
```

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